MEASUREMENT BOOK

Dimensions				Contents	Reference to last Measurement
Number 3	Length 4	Breadth 5	Depth 6	7	8
				ut the above work done Satisfactory	
				erials issued from departmentally	
				2015	
				Dy Chainage	
				Dy Collusion	
				Engineer	
				Vijayanagar Sub Division, BBMP.	

Final Bill

SBR10-281/15-16

2-4-16

BR-294/31-3/16

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 193873

Name of work..... Removal of Debris and Berm Cutting in Ramachandrapura Area in Ward No-16. (Doddabommasandra) From..... To.....

Name of Contractor of nature of Agency..... Sri. A.S. Thyagaraj

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Work Code No;	010 - 15 - 000053.					
	Indent No;	13902.					
	Agreement No;	311 Dated 16-02-2015.					
	Work order No;	EE/BTP/BBMP/E-PMT/311/2014-15 Dt 16-2-2015.					
	Address of Agency;	# 15, Ramachandrapura Jallahalli Post, Bangalore					

IT - 4691-00

VAT - 15763-00

LDF - 4691-00

OBF - 470-00

FSD - 2345-00

Fire - 150-00

Refund - 53568-00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1) Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.3m excavated surface leveled and sides	2	30.00	0.60	$\frac{(0.30+0.35)}{2}$	= 11.70 cum	
		2	30.00	0.60	$\frac{(0.35+0.45)}{2}$	= 14.40 cum	
		2	30.00	0.60	$\frac{(0.45+0.40)}{2}$	= 15.30 cum	
		2	30.00	0.60	$\frac{(0.40+0.35)}{2}$	= 13.50 cum	
		2	22.20	0.60	$\frac{(0.35+0.45)}{2}$	= 10.60 cum 10.66	
		2	30.00	0.60	$\frac{(0.45+0.30)}{2}$	= 13.50 cum	
		2	30.00	0.60	$\frac{(0.30+0.35)}{2}$	= 11.70 cum	
		2	30.00	0.60	$\frac{(0.35+0.45)}{2}$	= 14.40 cum	

M.A

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
		2
		2
		2
		2
		2
		2
		2
		2
		2

ASUREMENT BOOK

Number 3	Dimensions: Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
				m by manual means in ordinary soil.	
				c horizontal throw upto 2 meters) and	
				0.15m excavated surface levelled and	
-	30.00	0.60	(0.30+0.35)/2	= 19.80 cum	
2	30.00	0.60	(0.35+0.45)/2	= 14.40 cum	
2	30.00	0.60	(0.45+0.40)/2	= 15.30 cum	
2	30.00	0.60	(0.40+0.35)/2	= 13.50 cum	
2	22.20	0.60	(0.35+0.45)/2	= 10.60 cum 10.66	
2	30.00	0.60	(0.45+0.30)/2	= 13.50 cum	
2	30.00	0.60	(0.30+0.35)/2	= 11.70 cum	
2	30.00	0.60	(0.35+0.45)/2	= 14.40 cum	

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 193874

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		2	30.00	0.60	(0.45+0.45)/2	= 16.20 cum	
		2	22.20	0.60	(0.45+0.30)/2	= 9.99 cum	
		2	30.00	0.60	(0.35+0.45)/2	= 14.40 cum	
		2	30.00	0.60	(0.45+0.40)/2	= 15.30 cum	
		2	30.00	0.60	(0.40+0.40)/2	= 14.40 cum	
		2	25.30	0.60	(0.40+0.30)/2	= 10.63 cum	
		2	30.00	0.60	(0.30+0.45)/2	= 13.50 cum	
		2	30.00	0.60	(0.40+0.40)/2	= 14.40 cum	
		2	30.00	0.60	(0.40+0.30)/2	= 12.60 cum	
		2	30.00	0.60	(0.30+0.35)/2	= 11.70 cum	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2	25.30	0.60	(0.35+0.40)/2	= 11.39 Cum	
		2	30.00	0.60	(0.35+0.30)/2	= 11.70 Cum	
		2	30.00	0.60	(0.35+0.35)/2	= 12.60 Cum	
		2	30.00	0.60	(0.35+0.45)/2	= 14.40 Cum	
		2	30.00	0.60	(0.40+0.30)/2	= 12.60 Cum	
		2	32.20	0.60	(0.30+0.35)/2	= 12.56 Cum	
		2	30.00	0.60	(0.45+0.40)/2	= 15.30 Cum	
		2	30.00	0.60	(0.40+0.35)/2	= 13.50 Cum	
		2	30.00	0.60	(0.40+0.30)/2	= 12.60 Cum	
		2	30.00	0.60	(0.30+0.35)/2	= 11.70 Cum	
		2	32.20	0.60	(0.35+0.45)/2	= 15.48 Cum	
		2	30.00	0.45	(0.40+0.30)/2	= 9.45 Cum	

Serial No.....

Name of work.....

Name of Contractor of nature of A

Date of commencement of work..

Date	Full description, etc, of wor
1	2

MEASUREMENT BOOK

k	Dimensions				Contents	Reference to last Measureme
	Number 3	Length 4	Breadth 5	Depth 6	7	8
	2	25.30	0.60	(0.35+0.40)/2	= 11.39 cum	
	2	30.00	0.60	(0.35+0.30)/2	= 11.70 cum	
	2	30.00	0.60	(0.35+0.35)/2	= 12.60 cum	
	2	30.00	0.60	(0.35+0.45)/2	= 14.40 cum	
	2	30.00	0.60	(0.40+0.30)/2	= 12.60 cum	
	2	32.20	0.60	(0.30+0.35)/2	= 12.56 cum	
	2	30.00	0.60	(0.45+0.40)/2	= 15.30 cum	
	2	30.00	0.60	(0.40+0.35)/2	= 13.50 cum	
	2	30.00	0.60	(0.40+0.30)/2	= 12.60 cum	
	2	30.00	0.60	(0.30+0.35)/2	= 11.70 cum	
	2	32.20	0.60	(0.35+0.45)/2	= 15.48 cum	
	2	30.00	0.45	(0.40+0.30)/2	= 9.45 cum	

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 193875

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		2	20.00	0.45	(0.35+0.45)/2	= 7.20 cum	
		2	30.00	0.45	(0.45+0.40)/2	= 11.48 cum	
		2	30.00	0.45	(0.40+0.35)/2	= 10.13 cum	
		2	32.80	0.45	(0.35+0.40)/2	= 10.87 cum	
		2	30.00	0.45	(0.40+0.40)/2	= 10.80 cum	
		2	30.00	0.45	(0.40+0.30)/2	= 9.45 cum	
		2	32.20	0.45	(0.30+0.35)/2	= 9.42 cum	
		2	30.00	0.45	(0.35+0.40)/2	= 10.13 cum	
		2	30.00	0.45	(0.40+0.45)/2	= 11.48 cum	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2	30.00	0.45 (0.40+0.45)/2		= 16.48 Cum	
		2	30.00	0.45 (0.45+0.40)/2		= 16.48 Cum	
		2	15.50	0.45 (0.40+0.35)/2		= 5.23 Cum	
		2	30.00	0.45 (0.35+0.45)/2		= 10.80 Cum	
		2	30.00	0.45 (0.45+0.40)/2		= 16.48 Cum	11.24
		2	12.20	0.45 (0.40+0.30)/2		= 3.84 Cum	
		2	30.00	0.45 (0.30+0.45)/2		= 10.13 Cum	
		2	30.00	0.45 (0.45+0.40)/2		= 16.48 Cum	
		2	12.20	0.45 (0.40+0.30)/2		= 3.84 Cum	
		2	30.00	0.60 (0.35+0.45)/2		= 14.40 Cum	
		2	30.00	0.45 (0.40+0.30)/2		= 9.45 Cum	
		2	30.00	0.45 (0.30+0.45)/2		= 10.13 Cum	

M.A.R. 5

Measu

Serial No.....

Name of work.....From.

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Le
1	2	3	
		2	30
		2	18
		Qty Cumfa	
		@ Rs	=
2)	Earth work in surface excava lowering the ground manually ready drains and trenches of		

MEASUREMENT BOOK

Dimensions				Contents	Reference to last Measurement
Number 3	Length 4	Breadth 5	Depth 6	7	8
2	30.00	0.45 (0.40+0.45)/2	= 16.88 Cum		
2	30.00	0.45 (0.45+0.40)/2	= 16.88 Cum		
2	15.50	0.45 (0.40+0.35)/2	= 5.23 Cum		
2	30.00	0.45 (0.35+0.45)/2	= 10.80 Cum		
2	30.00	0.45 (0.45+0.40)/2	= 16.88 Cum		
2	12.20	0.45 (0.40+0.30)/2	= 3.84 Cum		
2	30.00	0.45 (0.30+0.45)/2	= 10.13 Cum		
2	30.00	0.45 (0.45+0.40)/2	= 16.88 Cum		
2	12.20	0.45 (0.40+0.30)/2	= 3.84 Cum		
2	30.00	0.60 (0.35+0.45)/2	= 14.40 Cum		
2	30.00	0.45 (0.40+0.30)/2	= 9.45 Cum		
2	30.00	0.45 (0.30+0.45)/2	= 10.13 Cum		

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 193878

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		2	30.00	0.45 (0.45+0.40)/2		= 11.48 Cum	
		2	18.80	0.45 (0.40+0.40)/2		= 6.77 Cum	
					Total =	1050.00 Cum	052.17
					Qty limited to Tender =	986.18 Cum	
					@ Rs 71.10 71.00	Rs 70117.00	70019.00
	2) Earth work in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, canals, roads, drains and trenches) at Pipe Line						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Beam Clearing	6	7.50	1.95	0.45 =	38.48 Cum	
		8	8.50	1.80	0.40 =	48.96 Cum	
		5	5.00	1.50	0.45 =	16.88 Cum	
		4	4.50	1.80	0.35 =	11.34 Cum	
		7	5.00	1.80	0.35 =	22.05 Cum	
		5	6.50	1.50	0.45 =	21.94 Cum	
		6	5.50	1.80	0.35 =	17.33 Cum	
		3	7.50	1.80	0.45 =	18.23 Cum	
		4	7.50	1.20	0.40 =	14.40 Cum	
		3	8.50	1.50	0.45 =	17.21 Cum	
		5	6.50	1.80	0.45 =	26.33 Cum	
		4	5.00	1.50	0.40 =	12.00 Cum	
		6	5.50	1.20	0.45 =	17.82 Cum	
		4	6.00	1.80	0.40 =	17.28 Cum	
		4	5.00	1.50	0.35 =	10.50 Cum	
		6	4.50	1.90	0.45 =	23.08 Cum	
		5	4.50	1.50	0.45 =	15.19 Cum	
		3	4.50	1.50	0.45 =	9.11 Cum	
		2	5.00	1.50	0.35 =	5.25 Cum	

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
		3
		5
		3
		4
		3
		5
		6
		5
		6
		3
		5
		6
		6
		5
		5

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬೃ.ಬೆಂ.ಮ.ಪಾ., ಬೆಂಗಳೂರು-97

EASUREMENT BOOK

Dimensions				Contents	Reference to last Measureme
Number 3	Length 4	Breadth 5	Depth 6	7	8
6	7.50	1.85	0.45 =	38.49 cum	
8	8.50	1.80	0.40 =	48.96 cum	
5	5.00	1.50	0.45 =	16.88 cum	
4	4.50	1.80	0.35 =	11.34 cum	
7	5.00	1.80	0.35 =	22.05 cum	
5	6.50	1.50	0.45 =	21.94 cum	
6	5.50	1.80	0.35 =	17.33 cum	
3	7.50	1.80	0.45 =	18.23 cum	
4	7.50	1.20	0.40 =	14.40 cum	
3	8.50	1.50	0.45 =	17.21 cum	
5	6.50	1.80	0.45 =	26.33 cum	
4	5.00	1.50	0.40 =	12.00 cum	
6	5.50	1.20	0.45 =	17.82 cum	
4	6.00	1.80	0.40 =	17.28 cum	
4	5.00	1.50	0.35 =	10.50 cum	
6	4.50	1.90	0.45 =	23.08 cum	
5	4.50	1.50	0.45 =	15.19 cum	
3	4.50	1.50	0.45 =	9.11 cum	
2	5.00	1.50	0.35 =	5.25 cum	

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 193879

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		3	5.00	1.20	0.45 =	8.10 cum	
		5	6.00	1.00	0.35 =	10.50 cum	
		3	4.50	1.80	0.45 =	10.94 cum	
		4	3.50	1.80	0.35 =	8.82 cum	
		3	5.50	1.20	0.35 =	6.93 cum	
		5	5.00	1.50	0.40 =	15.00 cum	
		6	3.50	1.80	0.45 =	17.01 cum	
		5	6.80	1.85	0.45 =	24.14 cum	
		6	5.50	1.50	0.45 =	22.28 cum	
		3	5.00	1.80	0.40 =	10.80 cum	
		5	6.00	1.85	0.45 =	26.33 cum	
		6	5.00	1.60	0.40 =	19.20 cum	
		6	5.50	1.50	0.45 =	22.68 cum	
		5	4.50	1.80	0.35 =	14.18 cum	
		5	5.20	1.80	0.35 =	16.38 cum	

ವಿದ್ಯಾರಣ್ಯಪುರ ಅಂಚೆ ಬೆಂಗಳೂರು
ಯಲಹಂಕ ವಲಯ,
ಬೃ.ಬೆಂ.ಮ.ಪಾ., ಬೆಂಗಳೂರು-97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measureme
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		12	4.50	1.60	0.35 =	30.24cum	30.24
		8	3.50	1.80	0.35 =	17.02cum	17.64
		3	4.00	1.80	0.35 =	7.56cum	
		10	3.00	1.80	0.45 =	24.30cum	24.30
		12	5.00	1.80	0.35 =	37.80cum	37.80
		8	3.50	1.70	0.45 =	21.42cum	21.42
		10	3.50	1.85	0.35 =	22.66cum	22.66
		8	2.50	1.80	0.45 =	16.20cum	
		10	2.90	1.60	0.45 =	20.88cum	
		10	3.50	1.80	0.35 =	22.05cum	22.05
		10	1.50	1.50	0.45 =	16.88cum	
		12	3.50	1.45	0.45 =	27.22cum	
		6	6.00	1.50	0.40 =	21.60cum	
		8	7.00	1.80	0.45 =	45.36cum	33.60
		8	5.50	1.70	0.45 =	33.66cum	9.45
		12	7.50	1.80	0.35 =	56.70cum	29.70
		8	5.50	1.50	0.45 =	44.55cum	13.50
		5	4.50	1.50	0.40 =	13.50cum	
		10	3.50	1.80	0.40 =	25.20cum	

Serial No.....

Name of work.....

Name of Contractor of nature of Agency

Date of commencement of work.....

Date	Full description, etc, of work
1	2
	ಸಹಾಯಕ ಆಯುಕ್ತರು ಬಂಟ್ವಾಳ ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪವಿಭಾಗ ಬಂಟ್ವಾಳ.
3)	lead ಮೂಲಕ ಪಿ.ಡಬ್ಲ್ಯೂ.ಡಿ. ಕಛೇರಿಯಿಂದ ಬಂಟ್ವಾಳ-9 Disposal o Mechanical means Qty vide Item No-1

UREMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
4.50	1.60	0.35 =	32.00cum	30.24
3.50	1.80	0.35 =	17.02 cum	7.64
4.00	1.90	0.35 =	7.98cum	
3.00	1.80	0.45 =	25.03cum	24.30
5.00	1.80	0.35 =	88.01cum	37.80
3.50	1.70	0.45 =	27.03 cum	21.42
3.50	1.85	0.35 =	23.01cum	22.66
2.50	1.80	0.45 =	16.20cum	
2.90	1.60	0.45 =	20.88 cum	
3.50	1.80	0.35 =	22.00cum	22.65
2.50	1.50	0.45 =	16.88 cum	
3.50	1.45	0.45 =	27.00cum	
6.00	1.50	0.40 =	21.60cum	
7.00	1.80	0.45 =	45.40cum	33.66
5.50	1.70	0.45 =	33.40cum	
7.50	1.90	0.35 =	60.19cum	9.85
5.50	1.50	0.45 =	44.55cum	29.70
4.50	1.50	0.40 =	13.50cum	13.50
3.50	1.60	0.40 =	28.00cum	

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 193881

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		10	5.50	1.70	0.45 =	42.08cum	
		6	8.50	2.50	0.45 =	60.19cum	57.37
					total =	1586.25 cum	2139.85
		Qty limited to tender =				1583.90 cum	
		@ Rs 138.00					Rs 218558.00
	ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ. ವಿದ್ಯಾರಣ್ಯಪುರ ವಲಯ.						
3)	Lead ಮೀ. ಸಾ. ದೂರದ ವಿಲೇವಾರಿ-97. Disposal of Debris shall be Payable at carriage rates by Mechanical means including loading and unloading Qty vide Item No-1 + No-2 = 2580.08 cum						
		@ Rs 69.00					Rs 178026.00

BR294 31/3/16

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Audited & Admitted for Rs 468000-00					Total Rs 468101-00	
						468000	
	415052-00 Dy Cheque					Zodhan	
	and Rs 52948-00 Dy adjustment					AE 27/6/15	
	Accts. Supdt. Executive Engineer Byatarayanapura Dn. BBMP.						
	Certificate:- Certified that the above work done Satisfactory and no materials issued from department						
	IT - 4680.00						
	VAT - 18720.00						
	LWF - 4680.00						
	CSF - 468.00						
	PSD - 23400.00						
	PTN - 200.00						
	Withheld - 52948.00						
	Zodhan AE 27/6/2015						
	ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ, ಯಲಹಂಕ ವಲಯ, ಬೃ.ಬೆಂ.ಮ.ಪಾ., ಬೆಂಗಳೂರು-97.						

First & Final Bill

SBR No-280/15

A: 2-4-16

Serial No. 18-3-16

Name of work. Removal of Deb... in ward No-10.

Name of Contractor of nature of Agen...

Date of commencement of work.....

Date	Full description, etc, of work
1	2
	Work Code No:
	Indent No:
	Agreement No:
	Work order No:
	Address of Agency: